

**ADAPTIVE DUAL-MODE REVERSE LINK SCHEDULING METHOD
FOR WIRELESS TELECOMMUNICATIONS NETWORKS**

ABSTRACT

The present invention provides for a scheduling scheme to be used with respect to a given mobile station. It is determined whether the given mobile station is or is not in soft-handoff. This is performed through examining a reduced active set. The reduced active set is based upon the active set, and the selection of the reduced active set includes considerations such as received reverse link channel signal strength. If the mobile station is in soft hand-off or with reduced active set size of greater than one, congestion control scheduling of reverse link communications from the given mobile station is utilized, using a data rate set by the congestion control of the reverse link channel. If the mobile station is not in soft-handoff or with reduced active set size of one, explicit scheduling of the reverse link communications from the given mobile station is utilized, using a data rate set by the explicit data rate control of the reverse link channel.